

## WEST Search History

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DATE: Sunday, July 23, 2006

<u>Hide?</u>	<u>Set</u>	<u>Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>				
<input type="checkbox"/>	L10		L9 and ((yeas\$4 or cerevisi\$4 or pastor\$4 or pichi\$4) same (express\$4 or product\$4 or synthes\$4))	56
<input type="checkbox"/>	L9		L8 and coli\$4	58
<input type="checkbox"/>	L8		phytas\$4 and (short or kretz or gray or barton or garrett or mather or odonog\$6).in.	68
<input type="checkbox"/>	L7		L1 and (short or kretz or gray or barton or garrett or mather or odonog\$6).in.	19
<input type="checkbox"/>	L6		L1 and (short or kretz or gray or barton or garrett or mather or donog\$6).in.	19
<input type="checkbox"/>	L5		L1 and (short or kretz or gray or barton or garrett or mather or donog\$6)	132
<input type="checkbox"/>	L4		L1 and divers\$4.asn.	12
<input type="checkbox"/>	L3		L2 same (express\$4 or product\$4 or synthes\$4)	58
<input type="checkbox"/>	L2		L1 same (yeas\$4 or cerevisi\$4 or pastor\$4 or pichi\$4)	75
<input type="checkbox"/>	L1		phytas\$4 same coli\$2	209

END OF SEARCH HISTORY

=> d his full

(FILE 'HOME' ENTERED AT 11:44:59 ON 23 JUL 2006)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 11:55:57 ON 23 JUL 2006  
SEA PHYTAS?

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828 FILE AGRICOLA  
21 FILE ANABSTR  
29 FILE ANTE  
13 FILE AQUALINE  
67 FILE AQUASCI  
200 FILE BIOENG  
2000 FILE BIOSIS  
752 FILE BIOTECHABS  
752 FILE BIOTECHDS  
252 FILE BIOTECHNO  
1695 FILE CABA  
2889 FILE CAPLUS  
134 FILE CEABA-VTB  
48 FILE CIN  
156 FILE CONFSCI  
6 FILE CROPB  
5 FILE CROPU  
2 FILE DDFB  
4 FILE DDFU  
3689 FILE DGENE  
134 FILE DISSABS  
2 FILE DRUGB  
7 FILE DRUGU  
9 FILE EMBAL  
417 FILE EMBASE  
518 FILE ESBIOBASE  
2 FILE FOMAD  
2 FILE FOREGE  
374 FILE FROSTI  
429 FILE FSTA  
1210 FILE GENBANK  
4 FILE HEALSAFE  
727 FILE IFIPAT  
1 FILE IMSRESEARCH  
162 FILE JICST-EPLUS  
278 FILE LIFESCI  
764 FILE MEDLINE  
6 FILE NTIS  
1 FILE NUTRACEUT  
24 FILE OCEAN  
703 FILE PASCAL  
7 FILE PCTGEN  
2 FILE PHIC  
95 FILE PHIN  
150 FILE PROMT  
1 FILE RDISCLOSURE  
1583 FILE SCISEARCH  
599 FILE TOXCENTER  
2255 FILE USPATFULL  
478 FILE USPAT2  
5 FILE VETB  
531 FILE VETU  
20 FILE WATER  
731 FILE WPIDS  
4 FILE WPIFV  
731 FILE WPINDEX  
2 FILE IPA  
3 FILE NAPRALERT

L1 86 FILE NLDB  
QUE PHYTAS?

D RANK

FILE 'CAPLUS, USPATFULL, BIOSIS, CABA, SCISEARCH, AGRICOLA, MEDLINE,  
BIOTECHDS, WPIDS' ENTERED AT 11:58:29 ON 23 JUL 2006

L2 13497 SEA PHYTAS?  
L3 731 SEA L2 (S)(COLI?)  
L4 499 SEA L3 (S)(EXPRESS? OR PRODUC? OR SYNTHE?)  
L5 188 SEA L4 (S)(YEAST? OR CEREV? OR PICHI? OR PASTOR? OR POMBE? OR  
POLYMORPH? OR OCCIDENTAL?)  
L6 116 DUP REM L5 (72 DUPLICATES REMOVED)  
D TI L6 1-116

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: ssspta1652dmr

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TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 4 APR 04 STN AnaVist \$500 visualization usage credit offered  
NEWS 5 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records  
NEWS 6 MAY 11 KOREPAT updates resume  
NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and  
USPATFULL/USPAT2  
NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAplus  
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 14 JUL 14 FSTA enhanced with Japanese patents  
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
  
NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 11:44:59 ON 23 JUL 2006

=> index bioscience medicine

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

**THE BREWERIES ARE  
COST IN U. S. DOLLARS**

SINCE FILE TOTAL

## THE FIBRE ENTRY

**TOTAL:**

## **TOTAL SESSION**

**FULL ESTIMATED COST**

ENTR1

STON  
3 78

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,

CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,  
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 11:55:57 ON 23 JUL 2006

71 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view  
search error messages that display as 0\* with SET DETAIL OFF.

=> s phytas4

4 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s phytas?

828	FILE AGRICOLA
21	FILE ANABSTR
29	FILE ANTE
13	FILE AQUALINE
67	FILE AQUASCI
200	FILE BIOENG
2000	FILE BIOSIS
752	FILE BIOTECHABS
752	FILE BIOTECHDS
252	FILE BIOTECHNO
1695	FILE CABA
2889	FILE CAPLUS
134	FILE CEABA-VTB
48	FILE CIN
156	FILE CONFSCI
6	FILE CROPB
5	FILE CROPU
2	FILE DDFB
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3689	FILE DGENE
134	FILE DISSABS
2	FILE DRUGB
7	FILE DRUGU
9	FILE EMBAL
417	FILE EMBASE
518	FILE ESBIOBASE
2	FILE FOMAD
2	FILE FOREGE
374	FILE FROSTI
429	FILE FSTA
1210	FILE GENBANK
4	FILE HEALSAFE
727	FILE IFIPAT
1	FILE IMSRESEARCH
162	FILE JICST-EPLUS
278	FILE LIFESCI

43 FILES SEARCHED...

764	FILE MEDLINE
6	FILE NTIS
1	FILE NUTRACEUT
24	FILE OCEAN
703	FILE PASCAL
7	FILE PCTGEN
2	FILE PHIC
95	FILE PHIN
150	FILE PROMT
1	FILE RDISCLOSURE
1583	FILE SCISEARCH
599	FILE TOXCENTER
2255	FILE USPATFULL

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478  FILE USPAT2
      5  FILE VETB
    531  FILE VETU
     20  FILE WATER
   731  FILE WPIDS
      4  FILE WPIFV
  731  FILE WPINDEX
      2  FILE IPA
      3  FILE NAPRALERT
    86  FILE NLDB
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59 FILES HAVE ONE OR MORE ANSWERS, 71 FILES SEARCHED IN STNINDEX

L1 QUE PHYTAS?

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=> d rank
F1      3689  DGENE
F2      2889  CAPLUS
F3      2255  USPATFULL
F4      2000  BIOSIS
F5      1695  CABA
F6      1583  SCISEARCH
F7      1210  GENBANK
F8      828   AGRICOLA
F9      764   MEDLINE
F10     752   BIOTECHABS
F11     752   BIOTECHDS
F12     731   WPIDS
F13     731   WPINDEX
F14     727   IFIPAT
F15     703   PASCAL
F16     599   TOXCENTER
F17     531   VETU
F18     518   ESBIOBASE
F19     478   USPAT2
F20     429   FSTA
F21     417   EMBASE
F22     374   FROSTI
F23     278   LIFESCI
F24     252   BIOTECHNO
F25     200   BIOENG
F26     162   JICST-EPLUS
F27     156   CONFSCI
F28     150   PROMT
F29     134   CEABA-VTB
F30     134   DISSABS
F31      95   PHIN
F32      86   NLDB
F33      67   AQUASCI
F34      48   CIN
F35      29   ANTE
F36      24   OCEAN
F37      21   ANABSTR
F38      20   WATER
F39      13   AQUALINE
F40       9   EMBAL
F41       7   DRUGU
F42       7   PCTGEN
F43       6   CROPB
F44       6   NTIS
F45       5   CROPU
F46       5   VETB
F47       4   DDFU
F48       4   HEALSAFE
F49       4   WPIFV
```

F50 3 NAPRALERT  
F51 2 DDFB  
F52 2 DRUGB  
F53 2 FOMAD  
F54 2 FOREGE  
F55 2 PHIC  
F56 2 IPA  
F57 1 IMSRESEARCH  
F58 1 NUTRACEUT  
F59 1 RDISCLOSURE

=> file f2-f6, f8-f12

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
2.44	6.22

FILE 'CAPLUS' ENTERED AT 11:58:29 ON 23 JUL 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE 'USPATFULL' ENTERED AT 11:58:29 ON 23 JUL 2006  
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE 'SCISEARCH' ENTERED AT 11:58:29 ON 23 JUL 2006  
Copyright (c) 2006 The Thomson Corporation

FILE 'AGRICOLA' ENTERED AT 11:58:29 ON 23 JUL 2006

FILE 'MEDLINE' ENTERED AT 11:58:29 ON 23 JUL 2006

FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHDS' ENTERED AT 11:58:29 ON 23 JUL 2006  
COPYRIGHT (C) 2006 THE THOMSON CORPORATION

FILE 'WPIDS' ENTERED AT 11:58:29 ON 23 JUL 2006  
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=> s phytas?

L2 13497 PHYTAS?

=> s 12 (s)(coli?)

L3 731 L2 (S)(COLI?)

=> s 13 (s)(express? or produc? or synthe?)

8 FILES SEARCHED...

L4 499 L3 (S)(EXPRESS? OR PRODUC? OR SYNTHE?)

=> s 14 (s)(yeast? or cerevi? or pichi? or pastor? or pombe? or polymorph? or occidental?)

L5 188 L4 (S)(YEAST? OR CEREVI? OR PICHI? OR PASTOR? OR POMBE? OR POLYMORPH? OR OCCIDENTAL?)

=> dup rem 15

PROCESSING COMPLETED FOR L5

L6 116 DUP REM L5 (72 DUPLICATES REMOVED)

=> d ti 16 1-116

L6 ANSWER 1 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI New polypeptide comprises the amino acid sequence corresponding to a *Buttiauxella* sp. phytase, useful for enhancing phosphate digestion in foods and animal feeds;  
involving vector plasmid-mediated gene transfer and expression in *Bacillus subtilis*, *Escherichia coli*, *Hansenula polymorpha*, *Schizosaccharomyces pombe*, *Saccharomyces cerevisiae*, *Trichoderma* sp., *Aspergillus oryzae* or *Escherichia coli* for enhanced phosphate digestion

L6 ANSWER 2 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Novel phytase derived from *Citrobacter freundii* strain P3-42 (deposited under accession number NCIMB 41247), useful for food and animal feed, enhancing phosphate digestion in foods and animal feeds and for additives;  
recombinant enzyme protein production via plasmid expression in host cell for use in food and feedstuff

L6 ANSWER 3 OF 116 USPATFULL on STN  
TI Overexpression of phytase genes in yeast systems

L6 ANSWER 4 OF 116 USPATFULL on STN  
TI Mutant *E. coli* appa phytase enzymes and natural variants thereof, nucleic acids encoding such phytase enzymes, vectors and host cells incorporating same and methods of making and using same

L6 ANSWER 5 OF 116 USPATFULL on STN  
TI Method and compositions for detecting botulinum neurotoxin

L6 ANSWER 6 OF 116 USPATFULL on STN  
TI Enzyme granules

L6 ANSWER 7 OF 116 USPATFULL on STN  
TI Methods and compositions for the introduction of molecules into cells

L6 ANSWER 8 OF 116 USPATFULL on STN  
TI Phytase enzymes, nucleic acids encoding phytase enzymes and vectors and host cells incorporating same

L6 ANSWER 9 OF 116 USPATFULL on STN  
TI Globulin 2 regulatory region and method of using same

L6 ANSWER 10 OF 116 USPATFULL on STN  
TI Inbred corn line PHD90

L6 ANSWER 11 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI New isolated nucleic acid comprising a glycerol-3-phosphate O-acyltransferase promoter, for expressing a coding region of interest in transformed yeast, and for producing omega-3 or omega-6 fatty acid;  
recombinant enzyme protein production via transformed host cell for use in omega fatty acid production

L6 ANSWER 12 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Novel modified phytase having improved stability within stomach, which is obtained by modifying *Schwanniomyces* genus yeast phytase, useful as additive in preparation of livestock feed;  
plasmid-mediated modified phytase gene transfer and expression in host cell for livestock feed-additive manufacture

L6 ANSWER 13 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 3  
TI Molecular cloning of the phytase gene from *Citrobacter braakii* and its expression in *Saccharomyces cerevisiae*

L6 ANSWER 14 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 4  
TI Recombinant expression of thermostable phytase gene PhyXH in *Pichia pastoris*

L6 ANSWER 15 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Isolated phytase excreted by fungal strain KPF0019, which retains specific maximum activity over predetermined temperature range, useful in animal feeds to reduce need for phosphorous supplements in animal diet; recombinant enzyme production via plasmid expression in host cell for use in animal feed

L6 ANSWER 16 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN  
TI orotidine-5'-phosphate decarboxylase gene HURA3 detective *Hansenula polymorpha* (*Pichia angusta*) strain and usage for expression of foreign protein

L6 ANSWER 17 OF 116 USPATFULL on STN  
TI Phytases, nucleic acids encoding them and methods of making and using them

L6 ANSWER 18 OF 116 USPATFULL on STN  
TI Embryo preferred promoter and method of using same

L6 ANSWER 19 OF 116 USPATFULL on STN  
TI Globulin-1 regulatory region and method of using same

L6 ANSWER 20 OF 116 USPATFULL on STN  
TI Phytases, nucleic acids encoding them and methods for making and using them

L6 ANSWER 21 OF 116 USPATFULL on STN  
TI Glutamine-rich maize seed protein and promoter

L6 ANSWER 22 OF 116 USPATFULL on STN  
TI Sweet potato sporamin gene promoter

L6 ANSWER 23 OF 116 USPATFULL on STN  
TI *Trichoderma reesei* phytase enzymes, nucleic acids encoding such phytase enzymes, vectors and host cells incorporating same and methods of making and using same

L6 ANSWER 24 OF 116 USPATFULL on STN  
TI Site-directed mutagenesis of *Escherichia coli* phytase

L6 ANSWER 25 OF 116 USPATFULL on STN  
TI Phytase enzymes, nucleic acid sequences encoding phytase enzymes and vectors and host cells incorporating same

L6 ANSWER 26 OF 116 USPATFULL on STN  
TI Reagents, methods and kit for detecting feed enzymes

L6 ANSWER 27 OF 116 USPATFULL on STN  
TI Inbred corn line PH8JR

L6 ANSWER 28 OF 116 USPATFULL on STN  
TI Inbred corn line PHACE

L6 ANSWER 29 OF 116 USPATFULL on STN  
TI Inbred corn line PHAVN

L6 ANSWER 30 OF 116 USPATFULL on STN  
TI Inbred corn line PH77N

L6 ANSWER 31 OF 116 USPATFULL on STN  
TI Site-directed mutagenesis of *Escherichia coli* phytase

L6 ANSWER 32 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 6  
TI Expression of Escherichia coli AppA2 phytase  
in four yeast systems

L6 ANSWER 33 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Expression of microbial phytases in yeast systems and characterization of  
the recombinant enzymes

L6 ANSWER 34 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 7  
TI Sequences of modified recombinant Escherichia coli phytases and methods of  
making and using them

L6 ANSWER 35 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 8  
TI Modified Aspergillus niger phytase having enhanced specific activity

L6 ANSWER 36 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Recombinant expression of thermostable phytase gene Fphy in methylotrophic  
yeast

L6 ANSWER 37 OF 116 USPATFULL on STN  
TI Myo-inositol oxygenases

L6 ANSWER 38 OF 116 USPATFULL on STN  
TI Phytase variants

L6 ANSWER 39 OF 116 USPATFULL on STN  
TI Using mutations to improve aspergillus phytases

L6 ANSWER 40 OF 116 USPATFULL on STN  
TI Novel bacterial phytases and method for producing same

L6 ANSWER 41 OF 116 USPATFULL on STN  
TI Methods for preventing/remedying mastitis

L6 ANSWER 42 OF 116 USPATFULL on STN  
TI Phytases

L6 ANSWER 43 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Preventing or removing biofilm on surface, involves contacting surface  
with composition comprising acylases and carrier to degrade lactone  
produced by microorganisms;  
lactone degradation using bacterium and fungus derived acylase

L6 ANSWER 44 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Preparation of consensus protein, especially a phytase, comprises  
aligning and comparing at least three amino acid sequences,  
back-translating into DNA, and expressing the consensus gene sequence;  
recombinant enzyme protein production via plasmid expression in host  
cell for use in pharmaceutical

L6 ANSWER 45 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 9  
TI The effect of phytase enzyme and level on nutrient extraction by broilers

L6 ANSWER 46 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 10  
TI Evaluation of microbial phytase in broiler diets

L6 ANSWER 47 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 11  
TI The yeast production system in which Escherichia  
coli phytase is expressed may affect growth  
performance, bone ash, and nutrient use in broiler chicks

L6 ANSWER 48 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 12  
TI A Pichia pastoris fermentation strategy for enhancing  
the heterologous expression of an Escherichia coli

phytase

L6 ANSWER 49 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 13  
TI Overexpression of Escherichia coli phytase with high specific activity

L6 ANSWER 50 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 14  
TI Production, expression and sequence of modified recombinant Escherichia coli phytase with enhanced thermostability and proteolytic resistance for use in foodstuffs

L6 ANSWER 51 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Improving nutritional value of foodstuff, or reducing feed to weight gain ratio, of a monogastric animal, by feeding to animal, a foodstuff comprising myo-inositol hexakisphosphate, and phytase expressed in yeast; vector-mediated gene transfer and expression in host cell for recombinant protein production and feedstuff manufacture

L6 ANSWER 52 OF 116 USPATFULL on STN  
TI Production of recombinant epidermal growth factor in plants

L6 ANSWER 53 OF 116 USPATFULL on STN  
TI Continuous fermentation process

L6 ANSWER 54 OF 116 USPATFULL on STN  
TI Phytase-containing animal food and method

L6 ANSWER 55 OF 116 USPATFULL on STN  
TI Consensus phytases

L6 ANSWER 56 OF 116 USPATFULL on STN  
TI Sweet potato sporamin gene promoter

L6 ANSWER 57 OF 116 USPATFULL on STN  
TI Microbially expressed thermotolerant phytase for animal feed

L6 ANSWER 58 OF 116 USPATFULL on STN  
TI Phytase enzymes, nucleic acids encoding phytase enzymes and vectors and host cells incorporating same

L6 ANSWER 59 OF 116 USPATFULL on STN  
TI Phosphatases with improved phytase activity

L6 ANSWER 60 OF 116 USPATFULL on STN  
TI Phytase polypeptides

L6 ANSWER 61 OF 116 USPATFULL on STN  
TI Continuous fermentation system

L6 ANSWER 62 OF 116 USPATFULL on STN  
TI Consensus phytases

L6 ANSWER 63 OF 116 USPATFULL on STN  
TI Phytase polypeptides

L6 ANSWER 64 OF 116 USPATFULL on STN  
TI Phytase varinats

L6 ANSWER 65 OF 116 USPATFULL on STN  
TI Enzymes with improved phytase activity

L6 ANSWER 66 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Preparing thermotolerant phytase useful for preparing animal feed or human food, by expressing in microbial host cell expression cassette comprising a promoter operably linked to a nucleic acid encoding the enzyme;

plasmid-mediated gene transfer and expression in bacterium, yeast or fungus for recombinant enzyme production for use in animal feedstuff and human foodstuff

L6 ANSWER 67 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Novel Plectasin polypeptide having antimicrobial activity, useful for e.g. killing or inhibiting microbial cell growth, for use as a medicament and as antimicrobial therapeutic or prophylactic agent; recombinant protein production for use in disease therapy and plant engineering

L6 ANSWER 68 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 16  
TI Efficacy of a phytase derived from Escherichia coli and expressed in yeast on phosphorus utilization and bone mineralization in turkey poult

L6 ANSWER 69 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 17  
TI Comparison of extracellular Escherichia coli AppA phytases expressed in Streptomyces lividans and Pichia pastoris

L6 ANSWER 70 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 18  
TI Efficacy of an E. coli phytase expressed in yeast for releasing phytate-bound phosphorus in young chicks and pigs

L6 ANSWER 71 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 19  
TI Safety evaluation of a phytase, expressed in Schizosaccharomyces pombe, intended for use in animal feed

L6 ANSWER 72 OF 116 USPATFULL on STN DUPLICATE 20  
TI Recombinant bacterial phytases and uses thereof

L6 ANSWER 73 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Novel recombinant phytase protein and polynucleotide for improving nutritional value of phytate-containing foodstuff, in animal feed and feed supplements and to degrade excess phytase from environment or sample; vector-mediated Rhizobium sp. gene transfer and expression in bacterium, fungus, plant or animal cell for use in transgenic plant and transgenic animal model construction and in foodstuff and feedstuff

L6 ANSWER 74 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI A new polynucleotide encoding bacterial phytase, useful as a feed additive for improving utilization of inorganic phosphate; vector-mediated gene transfer, expression in host cell and DNA probe for recombinant protein production and animal feedstuff manufacture

L6 ANSWER 75 OF 116 USPATFULL on STN  
TI Overexpression of phytase genes in yeast systems

L6 ANSWER 76 OF 116 USPATFULL on STN  
TI Phytase variants

L6 ANSWER 77 OF 116 USPATFULL on STN  
TI OVEREXPRESSION OF PHYTASE GENES IN YEAST SYSTEMS

L6 ANSWER 78 OF 116 USPATFULL on STN  
TI Novel phytase and gene encoding said phytase

L6 ANSWER 79 OF 116 USPATFULL on STN  
TI Phytase having a low michaelis constant for phytic acid from monascus

L6 ANSWER 80 OF 116 USPATFULL on STN

TI Phytase enzymes nucleic acids encoding phytase enzymes and vectors and host cells incorporating same

L6 ANSWER 81 OF 116 USPATFULL on STN  
TI Phytase having a low michaelis constant for phytic acid from monascus

L6 ANSWER 82 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Isolating genes encoding enzymes from microorganisms by adding labeled nucleic acid probes isolated from strains cultured with and without substrate to array of random nucleic acid fragments and detecting hybridization;  
recombinant enzyme protein production via plasmid expression in host cell for lignin polymerization

L6 ANSWER 83 OF 116 CABA COPYRIGHT 2006 CABI on STN DUPLICATE 23  
TI In vitro properties of phytases from various microbial origins.

L6 ANSWER 84 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI New bacterial phytase for e.g. improving the nutritional value of phytate-containing foodstuffs and subsequently improving the growth performance of an organism that consumes it, or in treating animal digestive systems;  
vector-mediated gene transfer for expression in *Escherichia coli*, *Pichia pastoris*, *Schizosaccharomyces pombe* or plant cell, transgenic animal model and transgenic plant and seed construction, computer readable medium and database for use as a food-additive, in feedstuff, in drug screening, bleaching and the pulp and paper industry

L6 ANSWER 85 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Mutant *Escherichia coli* phytase for use in animal feed

L6 ANSWER 86 OF 116 USPATFULL on STN  
TI Phytase and gene encoding said phytase

L6 ANSWER 87 OF 116 USPATFULL on STN  
TI Soybean phytase and nucleic acid encoding the same

L6 ANSWER 88 OF 116 USPATFULL on STN  
TI Phytase having a low michaelis constant for phytic acid from monascus

L6 ANSWER 89 OF 116 USPATFULL on STN  
TI Phytase-producing bacteria, phytase and production method of phytase

L6 ANSWER 90 OF 116 USPATFULL on STN  
TI Phytase-producing bacteria, phytase and production method of phytase

L6 ANSWER 91 OF 116 CABA COPYRIGHT 2006 CABI on STN DUPLICATE 25  
TI Biotechnological development of effective phytases for mineral nutrition and environmental protection.

L6 ANSWER 92 OF 116 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
TI Evaluation of *Streptomyces lividans* and *Pichia pastoris* as extra-cellular expression systems for *Escherichia coli* phytase.

L6 ANSWER 93 OF 116 USPATFULL on STN  
TI Consensus phytases

L6 ANSWER 94 OF 116 USPATFULL on STN  
TI Phytase and gene encoding said phytase

L6 ANSWER 95 OF 116 USPATFULL on STN  
TI *Peniophora* phytase

L6 ANSWER 96 OF 116 USPATFULL on STN  
TI Peniophora phytase

L6 ANSWER 97 OF 116 USPATFULL on STN  
TI Phytase polypeptides

L6 ANSWER 98 OF 116 USPATFULL on STN  
TI Phytase-producing bacteria

L6 ANSWER 99 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Novel phosphatase having improved phytase activity useful as animal feed-additive for improving the accessibility of phosphate to an animal is produced by treating phosphatase with protease; production of phytase

L6 ANSWER 100 OF 116 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN  
TI New nucleic acid encoding a polypeptide having fungal transcriptional activation activity, useful in methods for producing desirable polypeptides.

L6 ANSWER 101 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Advances in phytase research; enzyme production, enzyme engineering, and expression in fungus, bacterium, transgenic plant or transgenic animal; a review

L6 ANSWER 102 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 26  
TI Site-Directed Mutagenesis Improves Catalytic Efficiency and Thermostability of *Escherichia coli* pH 2.5 Acid Phosphatase/ Phytase Expressed in *Pichia pastoris*

L6 ANSWER 103 OF 116 USPATFULL on STN  
TI DNA sequences encoding phytases of ruminal microorganisms

L6 ANSWER 104 OF 116 USPATFULL on STN  
TI Phytases of ruminal microorganisms

L6 ANSWER 105 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Producing phytase in yeast useful for the food and feed industries; vector-mediated *Escherichia coli* appA gene expression in *Aspergillus niger*, *Saccharomyces* sp., especially *Saccharomyces cerevisiae*, *Torulaspora* sp. and *Schizosaccharomyces* sp.

L6 ANSWER 106 OF 116 CABO COPYRIGHT 2006 CABI on STN DUPLICATE 27  
TI Optimization of medium components for phytase production by *E. coli* using response surface methodology.

L6 ANSWER 107 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI An expression system matures: a highly efficient and cost-effective process for phytase production by recombinant strains of *Hansenula polymorpha*; *Aspergillus fumigatus* recombinant enzyme production via vector plasmid pFPMT121-mediated gene transfer and expression in a fungus

L6 ANSWER 108 OF 116 CABO COPYRIGHT 2006 CABI on STN DUPLICATE 28  
TI Biophysical characterization of fungal phytases (myo-inositol hexakisphosphate phosphohydrolases): molecular size, glycosylation pattern, and engineering of proteolytic resistance.

L6 ANSWER 109 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Cloning, sequencing, and expression of an *Escherichia coli* acid phosphatase/phytase gene (appA2) isolated from pig colon

L6 ANSWER 110 OF 116 USPATFULL on STN  
TI Phytase

L6 ANSWER 111 OF 116 USPATFULL on STN  
TI Phytase

L6 ANSWER 112 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Bacillus subtilis recombinant phytase purification and characterization;  
for use as food-additive or feed-additive

L6 ANSWER 113 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Cloning of the thermostable phytase gene (phy) from Bacillus sp. DS11 and  
its overexpression in Escherichia coli;  
plasmid pUC19 and plasmid pET22b(+) for enzyme production and  
characterization

L6 ANSWER 114 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI New nucleic acid encoding phytase of a ruminal microorganism and related  
enzyme;  
recombinant enzyme expression in Pichia pastoris, Bacillus subtilis,  
Escherichia coli, Selenomonas ruminantium, transgenic plant or  
transgenic animal

L6 ANSWER 115 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Isolating novel DNA sequences from microorganisms;  
Bacillus subtilis, Saccharomyces cerevisiae or Escherichia coli DNA  
sequences encoding enzymes

L6 ANSWER 116 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Production of self-oligomerizing peptides with reduced allergenicity;  
hypoallergenic enzyme production as a zipper domain fusion protein in  
Bacillus, Streptomyces, Saccharomyces, Kluyveromyces, Hansenula,  
Pichia, Aspergillus, Fusarium or Escherichia coli

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